

Abstract of the disclosure

A shielded assembly containing a substrate and a shield. The shield contains both nanomagnetic material and a material with an electrical resistivity of from about 1 microohm-centimeter to about 1×10^{25} microohm centimeters.

5 The nanomagnetic material has a mass density of at least about 0.01 grams per cubic centimeter, a saturation magnetization of from about 1 to about 36,000 Gauss, a coercive force of from about 0.01 to about 5000 Oersteds, a relative magnetic permeability of from about 1 to about 500,000, and an average particle size of less than about 100 nanometers.